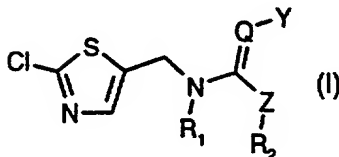


What is claimed is:

1. A process for the preparation of a compound of the formula



and, where applicable, its E/Z-isomers, mixtures of E/Z-isomers and/or tautomers, in each case in free form or in salt form, wherein

Q is CH or N,

Y is NO₂ or CN,

Z is CHR₃, O, NR₃ or S,

R₁ and R₂ are either each independently of the other hydrogen or unsubstituted or R₄-substituted C₁-C₈alkyl, or together form an alkylene bridge having two or three carbon atoms, and said alkylene bridge may additionally contain a hetero atom selected from the group consisting of NR₅, O and S,

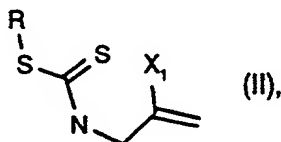
R₃ is H or unsubstituted or R₄-substituted C₁-C₁₂alkyl,

R₄ is unsubstituted or substituted aryl or heteroaryl, and

R₅ is H or C₁-C₁₂alkyl;

which comprises

- a) reacting a compound of the formula



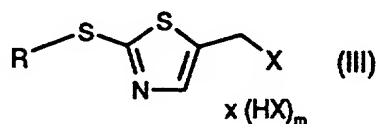
and, where applicable, its E/Z-isomers, mixtures of E/Z-isomers and/or tautomers, in each case in free form or in salt form, wherein

R is unsubstituted or substituted C₁-C₁₂alkyl, unsubstituted or substituted C₂-C₄alkenyl, unsubstituted or substituted C₂-C₄alkynyl, unsubstituted or substituted C₃-C₆cycloalkyl, unsubstituted or substituted aryl, unsubstituted or substituted heterocyclyl, or -SR₆; and

R_6 is unsubstituted or substituted C_1 - C_{12} alkyl, unsubstituted or substituted C_2 - C_4 alkenyl, unsubstituted or substituted C_2 - C_4 alkynyl, unsubstituted or substituted C_3 - C_6 cycloalkyl, unsubstituted or substituted aryl or unsubstituted or substituted heterocycyl,

X_1 is a leaving group;

with a halogenating agent, in the presence of a base, to form a compound of the formula



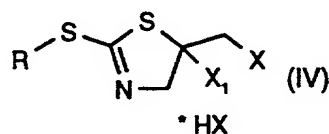
or, where applicable, an *E/Z*-isomer, a mixture of *E/Z*-isomers and/or a tautomer thereof, wherein

R is as defined for formula (II);

m is 0 or 1; and

X is halogen; or

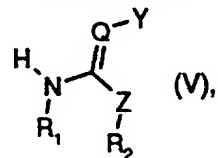
b) converting a compound of formula (II) by means of a halogenating agent into a compound of the formula



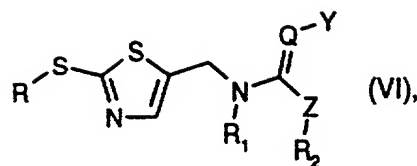
or, where applicable, an *E/Z*-isomer, a mixture of *E/Z*-isomers and/or a tautomer thereof, wherein R , X and X_1 are as defined for formulae (II) and (III); optionally

c) converting a compound of formula (IV), in the absence or in the presence of a base, preferably in the presence of a base, into a compound of formula (III);

d) converting a compound of formula (III) by reacting with a compound of the formula



or, where applicable, an *E/Z*-isomer, a mixture of *E/Z*-isomers and/or a tautomer thereof, in each case in free form or in salt form, wherein R_1 , R_2 , Y , Z and Q are as defined for the compound of formula (I), into a compound of the formula



or, where applicable, an *E/Z*-isomer, a mixture of *E/Z*-isomers and/or a tautomer thereof, in each case in free form or in salt form, and wherein R_1 , R_2 , Y , Z and Q are as defined above for the compound of formula (I) and R is as defined above for the compound of formula (II); or

e) converting a compound of formula (IV) by reaction with a compound of formula (V) into a compound of formula (VI); and

f) converting a compound of formula (VI) by means of a chlorinating agent into a compound of formula (I);

and in each case, if desired, converting a compound of formula (I) obtainable in accordance with the process or by another method, or an *E/Z*-isomer or tautomer thereof, in each case in free form or in salt form, into a different compound of formula (I) or an *E/Z*-isomer or tautomer thereof, in each case in free form or in salt form, separating a mixture of *E/Z*-isomers obtainable in accordance with the process and isolating the desired isomer, and/or converting a free compound of formula (I) obtainable in accordance with the process or by another method, or an *E/Z*-isomer or tautomer thereof, into a salt or converting a salt, obtainable in accordance with the process or by another method, of a compound of formula (I) or of an *E/Z*-isomer or tautomer thereof into the free compound of formula (I) or an *E/Z*-isomer or tautomer thereof or into a different salt.

2. A process according to claim 1, wherein in the compound of formula (I)

R_1 and R_2 in the compounds of formulae (I), (V) and (VI) are either each independently of the other hydrogen or C_1 - C_4 alkyl, or together form a alkylene bridge containing 2 or 3 carbon atoms, that may additionally contain a hetero atom selected from the group consisting of O and S, or may contain the group NR_5 , and

R_5 is H or C_1 - C_4 alkyl.

3. A process according to claim 1, wherein

R in the compounds of the formulae (II), (III), (IV) and (VI) is unsubstituted or substituted C_1 - C_{12} alkyl; unsubstituted or substituted aryl- C_1 - C_4 alkyl; unsubstituted or halo-substituted heterocycyl- C_1 - C_4 alkyl, aryl- C_2 - C_4 alkenyl or heterocycyl- C_2 - C_4 alkenyl; unsubstituted or halo-

substituted C₂-C₄alkenyl, C₂-C₄alkynyl, aryl-C₂-C₄alkynyl, heterocycyl-C₂-C₄alkynyl or C₄-C₆cycloalkyl; unsubstituted or halo-, C₁-C₄alkyl-, HO-C₁-C₄alkyl- or HS-C₁-C₄alkyl-substituted aryl; unsubstituted or halo- or C₁-C₄alkyl-substituted heterocycyl; -CH₂-COO-C₁-C₈alkyl, -CH₂-CO-C₁-C₈alkyl, SR₆, -(CH₂)_n-SR₆ or -CH₂-COO-M, wherein M is hydrogen or a cation; and
n is from 1 to 8.

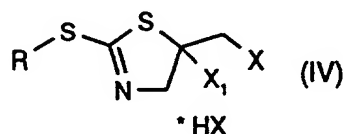
4. A process according to claim 1, wherein

R in the compounds of formulae (II), (III), (IV) and (VI) is SR₆ or -(CH₂)_n-SR₆ and

R₆ is C₁-C₈alkyl, aryl-C₁-C₄alkyl, arylthio-C₁-C₄alkyl, heterocycyl-C₁-C₄alkyl, heterocycylthio-C₁-C₄alkyl, C₂-C₄alkenyl, aryl-C₂-C₄alkenyl, heterocycyl-C₂-C₄alkenyl, C₂-C₄alkynyl, aryl-C₂-C₄alkynyl, heterocycyl-C₂-C₄alkynyl, cyclohexyl, aryl or heterocycyl; and
n is 1 or 2.

5. A process according to claim 1, wherein in the compounds of formulae (III) and (IV) X is chlorine or bromine.

6. A compound of the formula



wherein

R is unsubstituted or substituted C₁-C₁₂alkyl, unsubstituted or substituted C₂-C₄alkenyl, unsubstituted or substituted C₂-C₄alkynyl, unsubstituted or substituted C₃-C₆cycloalkyl, unsubstituted or substituted aryl, unsubstituted or substituted heterocycyl, or -SR₆; and

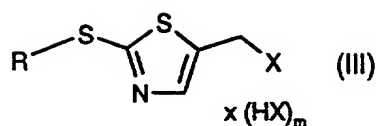
R₆ is unsubstituted or substituted C₁-C₁₂alkyl, unsubstituted or substituted C₂-C₄alkenyl, unsubstituted or substituted C₂-C₄alkynyl, unsubstituted or substituted C₃-C₆cycloalkyl, unsubstituted or substituted aryl or unsubstituted or substituted heterocycyl;

X is halogen; and

X₁ is a leaving group;

or, where applicable, an E/Z-isomer, a mixture of E/Z-isomers and/or a tautomer thereof.

7. A process for the preparation of a compound of the formula



or, where applicable, an *E/Z*-isomer, a mixture of *E/Z*-isomers and/or a tautomer thereof, wherein

R is unsubstituted or substituted C₁-C₁₂alkyl, unsubstituted or substituted C₂-C₄alkenyl, unsubstituted or substituted C₂-C₄alkynyl, unsubstituted or substituted C₃-C₆cycloalkyl, unsubstituted or substituted aryl, unsubstituted or substituted heterocyclyl, or -SR₆; and

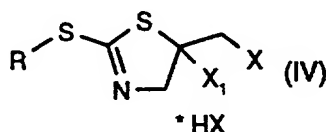
R₆ is unsubstituted or substituted C₁-C₁₂alkyl, unsubstituted or substituted C₂-C₄alkenyl, unsubstituted or substituted C₂-C₄alkynyl, unsubstituted or substituted C₃-C₆cycloalkyl, unsubstituted or substituted aryl or unsubstituted or substituted heterocyclyl,

m is 0 or 1; and

X is halogen;

which comprises reacting a compound of the formula (II), as defined in claim 1, with a halogenating agent, in the presence of a base.

8. A process for the preparation of a compound of the formula



or, where applicable, an *E/Z*-isomer, a mixture of *E/Z*-isomers and/or a tautomer thereof, wherein

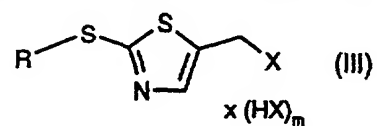
R is unsubstituted or substituted C₁-C₁₂alkyl, unsubstituted or substituted C₂-C₄alkenyl, unsubstituted or substituted C₂-C₄alkynyl, unsubstituted or substituted C₃-C₆cycloalkyl, unsubstituted or substituted aryl, unsubstituted or substituted heterocyclyl, or -SR₆; and

R₆ is unsubstituted or substituted C₁-C₁₂alkyl, unsubstituted or substituted C₂-C₄alkenyl, unsubstituted or substituted C₂-C₄alkynyl, unsubstituted or substituted C₃-C₆cycloalkyl, unsubstituted or substituted aryl or unsubstituted or substituted heterocyclyl,

X is halogen;

which comprises reacting a compound of the formula (II), as defined in claim 1, with a halogenating agent.

9. A process for the preparation of a compound of the formula



or, where applicable, an *E/Z*-isomer, a mixture of *E/Z*-isomers and/or a tautomer thereof, wherein R, X and m are as defined in claim 7 for formula (III), which comprises treating a compound of the formula (IV), as defined in claim 6 with a base.

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